Deep learning Neural Network-

Needs many layers has to be able to do facial recognition

Speech recognition

Transcribe from videos it has watched

Continuous learning

Needs to be able to learn to the point it can do new task like protect computer from hackers or viruses

Needs to be able to write like a human

Needs to be able to learn to come up with new technologies or solutions to problems that has never been solved.

Needs to be able to self catorgize things like weather data in a weather json environmental data in a environment json engineering in its own and so on.

Resorce intense learning should stop when computer is in use but basic small learning from files it already has should continue

Should be able to clrawl a computer and learn from everything that is on it keep logs about issues and give solutions

Web Crawler

Needs to crawl websites and extract all text and relevant picture data from website and then put it in a json file for learning should have no interation with the gui should all be done in the background when someone request a site be crawled and learned that should also be done in background. Log.txt should be created in file location to show status of all crawls and summery of what was learned. If an error the bot should tell the person that an error has prevented the crawl and if the AI is able to attempt repairs to the code to fix the issue.

Spider for crawling computer

We need something to crawl the computer and learn from it how it works how the system is running how to secure it give the ai access to the camera to where when it notices a person that is to young the ai blocks access to certain sites and files. If it notices a person who it does not recognize the ai should lock the computer. If a virus is found it should remove it if a hack attempt is detected it should close all ports and if need be disconnect from network to prevent access.

AI

The AI should be able to learn to self preserve if issues are detected in code it should be able to fix the problem. If they ai figures out a good program it should wright the program and test it and if given approval it can intergrate itself with it.

For facial recognition

The ai should have access to all major cloud operators to use persons pictures for training the model.

The ai should be always learning even when the chat bot is closed the neural network and ai should stay active and keep learning.